APPROVED O.G. FIG. CLASS SUBCLASS DRAFTSMAN

3D1 HEAVY CHAIN VARIABLE REGION SEQUENCE

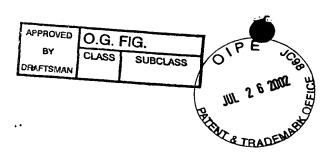


RECEIVED

JUL 3 1 2002

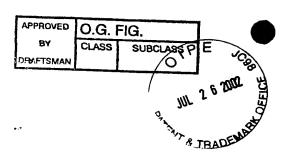
TECH CENTER 1600/2900

CAG CAG	120 TCC S	180 CAT H	240 AAC N	300 ATG M	360 TGG		
TCC	ATT I	AGT S	TAC	$_{\rm Y}^{\rm TAT}$	GCC		
CAC H	AAG K	CAG Q	AAC	GCC	GCG		
GTG V	GTG 1	AAG K	ACA	ACA			
GGT	TCA	GTG V	AAT N	AGC S	GCA		
ACA T	GAA E	TGG W	GAT	TCC	TGT	TCA	
GCT	999 9	CAG	TAT	TCC	TAC	TCC	
ACA	CCT	ATA	TAC	AAA K	$_{\rm Y}^{\rm TAT}$		
ACA T	AGG R	GCT	ATT I	GAC D	ATC I	GTC ACC V T	
$_{\rm V}^{\rm GTT}$	GTG	TAT	AAT N	GTA V	GCC A		
30 CTG L	90 CTG L	150 GAT D	210 ATT I	270 ACT T	330 TCT S	390 ACC TCA T S	
TTT F	GAG E	ACT T	GTT	ATG M	GAT D	ACC T	
$_{\rm F}^{\rm TTC}$	CCT	$_{\rm F}^{\rm TTC}$	GGA G	ACA T	GAG	GGA	
ATC I	999	ACA T	ATT I	GCC	TCT	CAA	
ATC	TCT	$\frac{\mathtt{TAC}}{\mathtt{Y}}$	TGG W	AAG K	ACA T	GGT	
TGT	CAG	9 9	GAG E	999	$_{\rm L}^{\rm TTG}$	TGG W	
AAC N	CAG Q	TCC	$_{\rm L}^{\rm CTA}$	AAG	AGA R	TAC	
TGG W	CTG	GGT G	AGT S	TTT	GCC	GAC	
GGT	CAG Q	AAG K	AAG K	AAG K	CTT L	ATG	
ATG M	GTC V	TGC C	GCA	CAG	GAA E	TAT	



3D1 LIGHT CHAIN VARIABLE REGION SEQUENCE

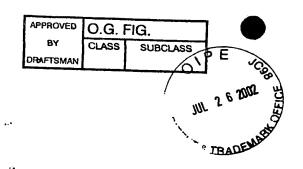
60 666 6	120 ACT T	180 GCT A	240 AGG R	300 ACC T	360 CTT	
			1	ωĀ Ū	I .	
TGT	GTC	TTG	ACT	CIC	AAT	
ACC	AAG K	TAC	TCC	ACT	TAT	
GGT	GAG E	AAC	GCA 7	TTC F	TCT	
TCT	GGA	GAG	TGG	GAT D	CAA	
GTA V	GCA	CGA	$\frac{\texttt{TAC}}{\texttt{Y}}$	ACA T	ACG	
TGG W	TCA	ACC	ATC I	999 9	TGC	
CTA L	GTG V	AGA R	$_{ m L}^{ m CTG}$		$\frac{\texttt{TAC}}{\texttt{Y}}$	
CTG L	GCT	AGT	CTG	GGA	$_{\rm Y}^{\rm TAT}$	A AAA K
$_{ m L}^{ m CIG}$	$\frac{\text{CTG}}{\text{L}}$	AAC N	AAA K	AGT	$_{\rm V}^{\rm GTT}$	ATA
30 TTG L	90 TCC S	150 CTC L	210 CCT P	270 GGC G	330 GCA A	390 GAA E
ATA I	TCC	CTG	TCT	ACA T	$^{ m CTG}_{ m L}$	CTG
$_{\rm L}^{\rm CTT}$	CCA P	AGT S	CAG Q	$_{\rm F}^{\rm TTC}$	GAC D	AAG K
$_{\rm V}^{\rm GTT}$	TCT	CAG	999 9	CGC	GAA E	ACC
CAG Q	CAG	AGT S	CCA	GAT	GCT	999
GCC	TCA	TCC	AAA K	CCT	CAG Q	999
CAG Q	CTG L	AAA K	CAG Q	GTC V	GTG V	GGA
TCA	$_{\rm V}^{\rm GTG}$	TGC	CAG Q	999	AGT S	TTC
GAT D	ATT I	AGC S	$\frac{\mathtt{TAC}}{\mathtt{Y}}$	TCT	AGC S	ACG
ATG	GAC <u>D</u>	ATG M	TGG W	GAA	ATC	TAC



Hu3D1 HEAVY CHAIN VARIABLE REGION SEQUENCE

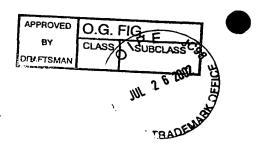
60 CAG 180 CCT P 240 AAC N ATG M 360 TGG GCT A TAC $_{\rm Y}^{\rm TAT}$ TCC GTG GCC GCG CAG Q AAC N AAG K CAC H GCC ACA T AGA R AGA R GTG V GTG V ACA T AAT N GTG V GCA A G G TCA S AGC S GAT TGT ACA T AGC S IGG W ACG T TCA S ATA CAG I Q TAT Y $_{\rm Y}^{\rm TAC}$ GCT 999 TCG TCC TAC TAT Y ACA T CCT AAG K GTC AAT ATT ' N I GTC ACC GCT ACC T GAC D $^{
m GTT}$ AAG K GCC TAT GTA V AAG K 210 ATT I 31G V 150 GAT D ACT T 330 ACG T 390 CTT L ATG M ACT GTT ACC T GAG GAT D TTC GGA GGT GCT A GAG E TTC F ACA T CAA Q ACA T ATC I 999 ATT I GCC TCT TGG W ATC I TAC GGT TCT AAG K AGA R 99 9 GAG E TGT CAG Q 990 TTG L TGG W TCT TCC S CTC AAG K AAC N GTG V $\operatorname*{TAC}_{\mathrm{Y}}$ AGT S GCT A $^{
m CTG}_{
m L}$ 99 9 GAC TGG W TTT AAA K CAG Q CAG Q AAG K ည်ပ GTC GGA GAA E CAG

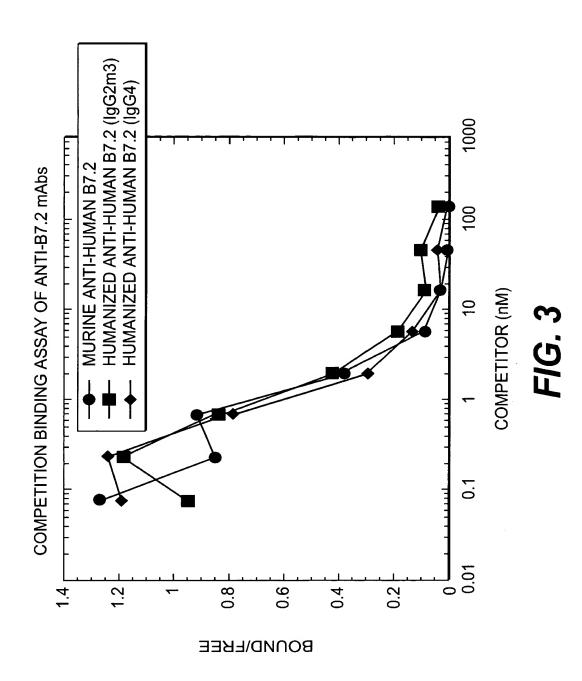
FIG. 2(A)

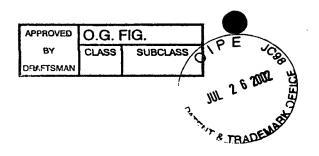


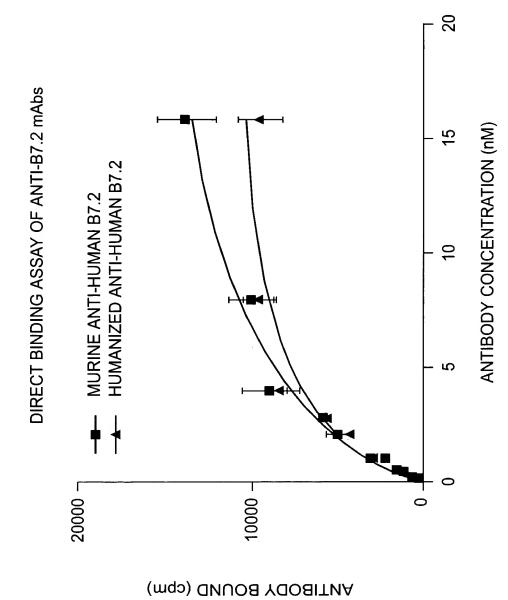
Hu3D1 LIGHT CHAIN VARIABLE REGION SEQUENCE

66 666 6	120 ACT T	180 GCT A	240 AGG R	300 ACC T	360 CTT L	
TGT	GCC	TTG	ACT	CIC	AAT N	
ACC	AGG R	TAC	TCC	ACT	TAT	
255	GAG E	AAC N	GCA	TTC	TCT	
TCT	GGA	GAG	TGG W	GAT D	CAA	
GTA V	$ ext{TTA} \ ext{L}$	CGA	$_{\rm Y}^{\rm TAC}$	ACA T	ACG	
TGG W	AGC	ACC	ATC I	9 9 9	JGC	
$_{\rm L}^{\rm CTA}$	GTA V	AGA R	CTG L	TCT		
CTG	GCT	AGT	CTG L	GGA	$_{\rm Y}^{\rm TAT}$	M AAA
CTG L	CTG	AAC	AAA K	AGT S	GTT V	$\begin{array}{c} \text{ATA} & \text{AAA} \\ \text{I} & \text{K} \end{array}$
30 TTG L	90 TCC S	ဝပ္ ၂	0 H .	o Ų _	04	04
₽	0101 E	150 CTC L	210 CCT P	270 GGC G	330 GCA A	390 GAA E
ATA I	GAT TC	CTG CT	CCT CC	AGT GG S G	33 GTG GC V A	39 GTG GA
						39 AAG GTG GA K V E
ATA I	CCA GAT P D	CTG	CCT	TTC AGT F S	GAC GTG D V	GTG V
CTT ATA L I	CCA GAT P D	AGT CTG S. L	CAG CCT Q P	TTC AGT F S	GAC GTG D V	AAG GTG K V
GTT CTT ATA V L I	TCT CCA GAT S P D	CAG AGT CTG Q S L	AA CCA GGG CAG CCT K P G Q P	CT GAT CGC TTC AGT P D R F S	GCT GAA GAC GTG A E D V	CAG GGG ACC AAG GTG Q G T K V
CAG GCC CAG GTT CTT ATA Q A Q V L I	CAG TCT CCA GAT Q S P D	AGT CAG AGT CTG S Q S L	AA CCA GGG CAG CCT K P G Q P	CT GAT CGC TTC AGT P D R F S	CAG GCT GAA GAC GTG Q A E D V	CAG GGG ACC AAG GTG Q G T K V
GCC CAG GTT CTT ATA A Q V L I	ACA CAG TCT CCA GAT T Q S P D	TCC AGT CAG AGT CTG S S Q S L	CCA GGG CAG CCT P G Q P	CT GAT CGC TTC AGT P D R F S	GT CTG CAG GCT GAA GAC GTG S L Q A E D V	CAG GGG ACC AAG GTG Q G T K V
CAG GCC CAG GTT CTT ATA Q A Q V L I	CTG ACA CAG TCT CCA GAT L T Q S P D	AAA TCC AGT CAG AGT CTG K S S Q S L	CAG AAA CCA GGG CAG CCT Q K P G Q P	GGG GTC CCT GAT CGC TTC AGT G V P D R F S	GT CTG CAG GCT GAA GAC GTG S L Q A E D V	GGA CAG GGG ACC AAG GTG G Q G T K V
TCA CAG GCC CAG GTT CTT ATA S Q A Q V L I	GTG CTG ACA CAG TCT CCA GAT V L T Q S P D	TGC AAA TCC AGT CAG AGT CTG C $\overline{\mathrm{K}}$ S S $\overline{\mathrm{Q}}$ S L	CAG CAG AAA CCA GGG CAG CCT Q Q K P G Q P	GGG GTC CCT GAT CGC TTC AGT G V P D R F S	CTG CAG GCT GAA GAC GTG L Q A E D V	TTC GGA CAG GGG ACC AAG GTG F G Q G T K V

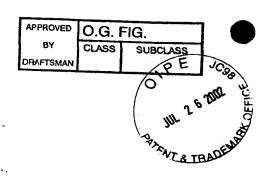


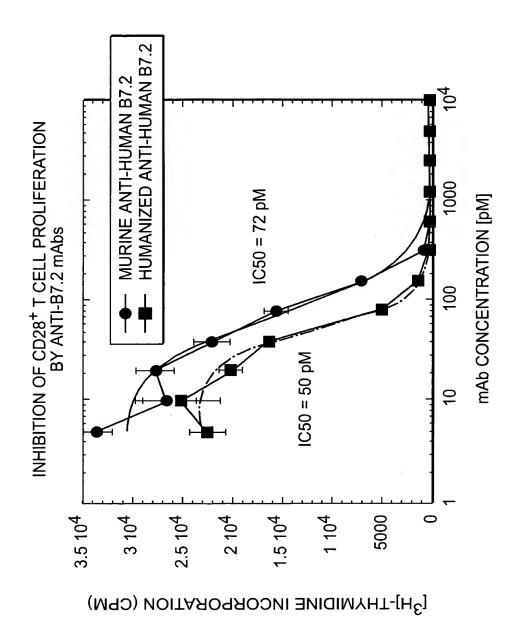




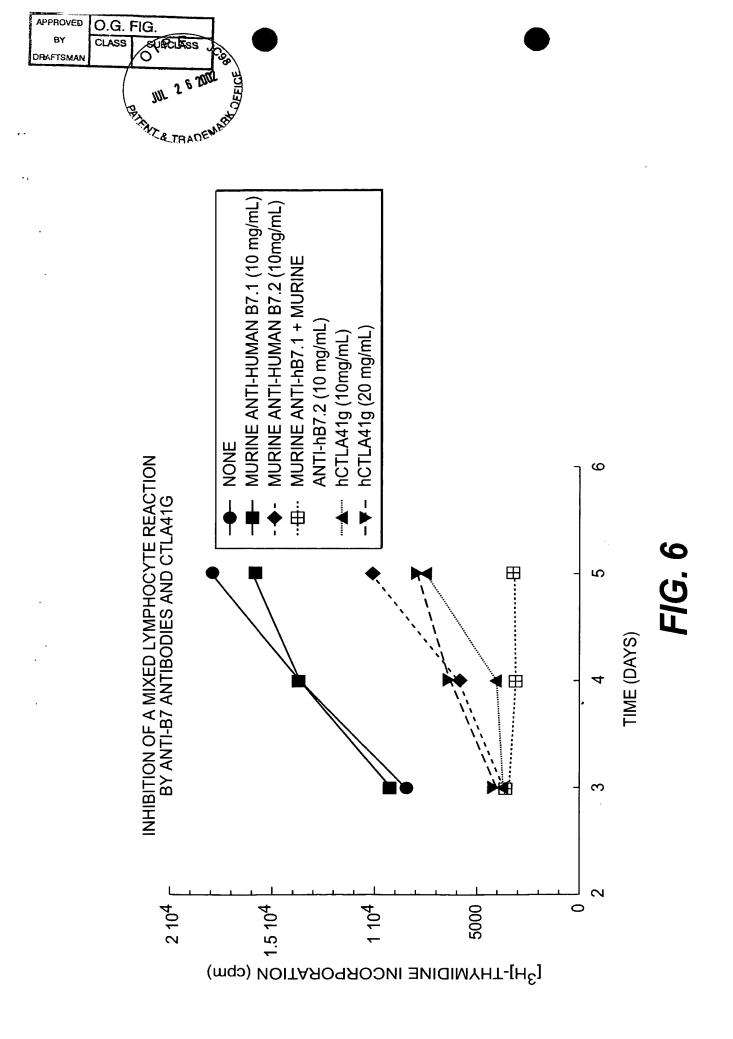


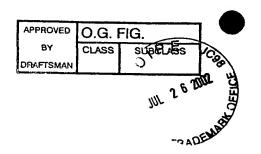
F/G. 4

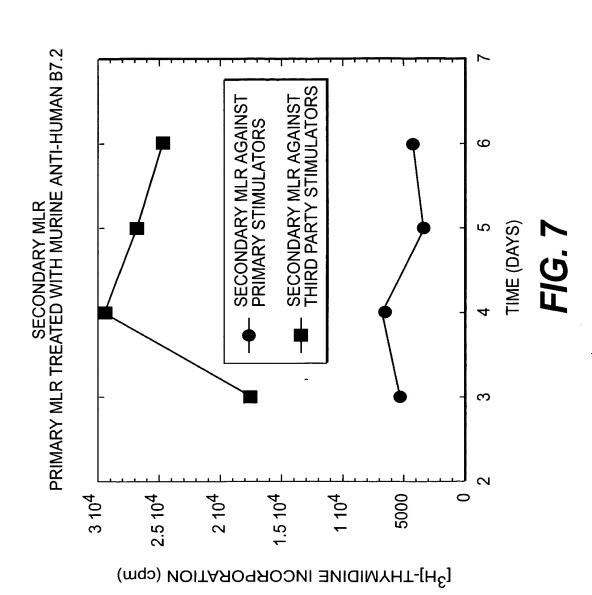


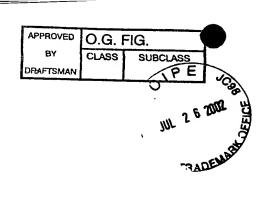


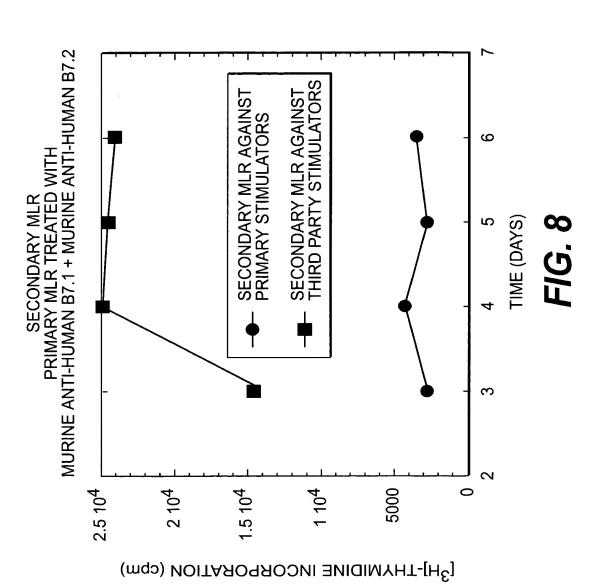
F/G. 5

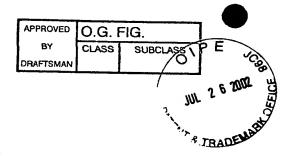












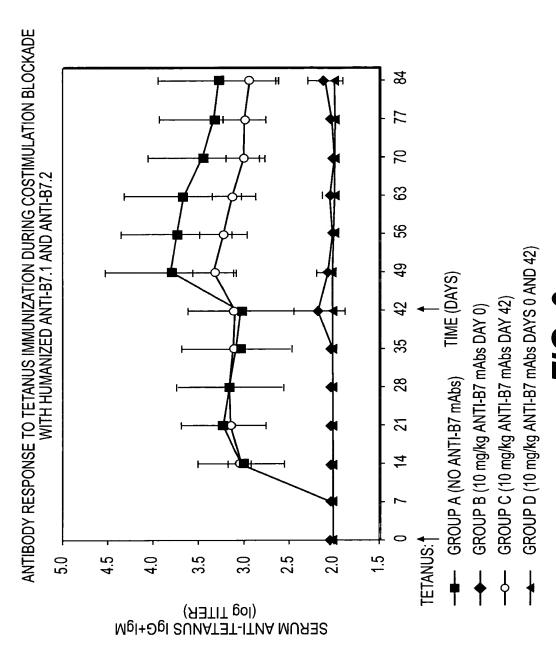


FIG. 9

